

What is claimed is:

1. A composition comprising

5 a) one or more pesticides and

b) one or more compounds selected from formula I



10 in which

R is a linear or branched alkyl or alkenyl residue with 6 to 30 carbon atoms,

15  $A^1$  to  $A^4$  are, in each case independently of one another, a group of the formula  $-C_2H_4-$  or  $-C_3H_6-$ ,

r, s, t and u are, in each case independently of one another, a number from 1 to 400,

20 the sum of the numbers r, s, t and u has values from 10 to 600,

and

25 x is a number from 1 to 10,

the compounds of the formula I also including those derivatives in which a fourth residue is bonded to one or more nitrogen atoms, which residue is chosen from H and linear or branched alkyl groups with 1 to 6 carbon atoms, and the counterions of these derivatives are chosen from chloride, bromide, iodide, fluoride, sulfate, hydrogensulfate, carbonate, hydrogencarbonate, phosphate, mono- and dihydrogenphosphate, pyrophosphate, metaphosphate, nitrate, methyl sulfate, phosphonate,

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methylphosphonate, methanedisulfonate, methanesulfonate or ethanesulfonate, or from anionic compounds of the formula  $R^6SO_3^\ominus$ ,  $R^7SO_4^\ominus$  or  $R^6COO^\ominus$  in which  $R^6$  and  $R^7$  are linear or branched  $C_8$ - $C_{20}$  alkyl and  $R^7$  is, in addition, also  $C_7$ - $C_{18}$  alkylphenyl.

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2. A composition as claimed in claim 1, wherein the pesticide or pesticides are chosen from the N-(phosphonomethyl)glycine (glyphosate) class of substances.

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3. A composition as claimed in claim 2, wherein glyphosate is present as free acid or as alkali metal, ammonium, alkylamine, alkylsulfonium, alkylphosphonium, sulfonamide or aminoguanidine salt.

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4. A composition as claimed in one or more of claims 1 to 3, which comprises compounds of the formula I in which

R is an alkyl residue with 8 to 19 carbon atoms,

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$A^1$  to  $A^4$  are, in each case independently of one another, a group of the formula  $-C_2H_4-$  or  $-C_3H_6-$ ,

r, s, t and u are, in each case independently of one another, a number from 1 to 400,

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the sum of the numbers r, s, t and u has values from 10 to 600,

and

x is 1 or 2.

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5. A composition as claimed in one or more of claims 1 to 4, wherein R is a tallow fatty residue.

6. A composition as claimed in one or more of claims 1 to 5, which exists as a concentrate formulation to be diluted before use and comprises 5 to 60 weight% of pesticide and 5 to 50 weight% of one or more compounds of the formula I.

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7. A composition as claimed in one or more of claims 1 to 5, which exists as a solid formulation to be dissolved in water before use and comprises 20 to 80 weight% of pesticide and 5 to 80 weight% of one or more compounds of the formula I.

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8. A composition as claimed in one or more of claims 1 to 5, which exists as a spray mixture and comprises 0.001 to 10 weight% of pesticide and 0.01 to 10 weight% of one or more compounds of the formula I.

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9. A composition as claimed in one or more of claims 1 to 8, which comprises agrochemical salts, preferably ammonium salts.

10. A composition as claimed in claim 9, wherein the agrochemical salts are chosen from ammonium sulfate, ammonium nitrate, ammonium phosphate, ammonium thiocyanate and/or ammonium chloride.

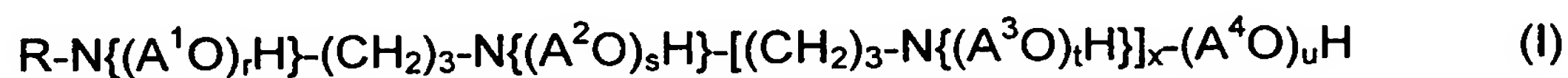
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11. Use of

a) one or more pesticides and

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b) one or more compounds selected from formula I



in which

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R is a linear or branched alkyl or alkenyl residue with 6 to 30 carbon atoms,

$A^1$  to  $A^4$  are, in each case independently of one another, a group of the formula  $-C_2H_4-$  or  $-C_3H_6-$ ,

5  $r, s, t$  and  $u$  are, in each case independently of one another, a number from 1 to 400,

the sum of the numbers  $r, s, t$  and  $u$  has values from 10 to 600,

and

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$x$  is a number from 1 to 10,

15 the compounds of the formula I also including those derivatives in which a fourth residue is bonded to one or more nitrogen atoms, which residue is chosen from H and linear or branched alkyl groups with 1 to 6 carbon atoms, and the counterions of these derivatives are chosen from chloride, bromide, iodide, fluoride, sulfate, hydrogensulfate, carbonate, hydrogencarbonate, phosphate, mono- and dihydrogenphosphate, pyrophosphonate, metaphosphate, nitrate, methyl sulfate, phosphonate, methylphosphonate, 20 methanedisulfonate, methanesulfonate or ethanesulfonate, or from anionic compounds of the formula  $R^6SO_3^\ominus$ ,  $R^7SO_4^\ominus$  or  $R^6COO^\ominus$  in which  $R^6$  and  $R^7$  are linear or branched  $C_8-C_{20}$  alkyl and  $R^7$  is, in addition, also  $C_7-C_{18}$  alkylphenyl,

25 in controlling and/or combating weeds.

12. The use as claimed in claim 11 in the tank-mix process.

13. The use as claimed in claim 11, wherein the pesticide or pesticides are 30 present in water or an organic solvent and the compound or the compounds according to formula I are present without solvent or in water and the abovementioned substances are mixed with one another before application.

14. The use as claimed in claim 13, wherein the pesticide or pesticides and the one or more compounds according to formula I are present in water.